

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	"1273355"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 11:21
L2	1	2003-177404.NRAN.	DERWENT	AND	OFF	2006/03/01 11:15
L5	2	"20030085966"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:26
L6	5	"6640804"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:26
L7	39	(piezo\$electric or PZT or piezo) with substrates with integrally	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:37
L8	3	(piezo\$electric or PZT or piezo) same two with substrates with integrally	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:38
L9	45	(piezo\$electric or PZT or piezo) same substrates with integrally	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:38
L10	180	(piezo\$electric or PZT or piezo) same substrates with two with one	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:39

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L11	773	(piezo\$electric or PZT or piezo) and substrates with two with one	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:39
L12	2	(piezo\$electric or PZT or piezo) same substrates with material with integrally	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:39
L13	17	"6669333"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:01
L14	2	"20020158952"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:01
L15	1120	((sub\$space) or (separat\$3 with space\$1)) with (liquid or ink) with (different or colors)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:05
L16	34	((sub\$space) or (separat\$3 with space\$1)) with (membrane or film) with (liquid or ink) with (different or colors)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:06
L17	6	(different with ink with type\$1 with membrane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:07
L19	1	2002-099005.NRAN.	DERWENT	AND	OFF	2006/03/01 13:10
L20	7258	(different with (ink or liquid) with (film or membrane))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:12

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L21	556	(different with (ink or liquid) with (film or membrane) with separat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:12
L22	93	ink and (different with (ink or liquid) with (film or membrane) with separat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:13
L23	64	ink and (different with (ink) with (film or membrane) with separat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:13
L24	64	(different with (ink) with (film or membrane) with separat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:17
L25	153	(347/85 or 347/86) and (film or membrane) with (separat\$3 or between) with (ink or liquid) same (recess or cavity or chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:24
L26	7	(347/85 or 347/86) and (inks or liquids) with four with chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:24
L27	7	ink\$jet\$4 and vibrat\$3 with removabl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:28
L28	309	ink\$jet\$4 and vibrat\$3 with remov\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:28

## EAST Search History

S1	8	("20020070239" "6523762" "6142607").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 08:19
S2	15	("1273355" "1149602").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:11
S3	1505	347/56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 08:18
S4	2	"20040263567"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 09:21
S5	1539	347/44 or 347/45 or 347/46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 08:44
S6	1	2003-177404.NRAN.	DERWENT	AND	OFF	2006/02/27 08:57
S7	10	FLICK.in. and HESS.in. and HU.in. and LUGINBUHL.in. and WEBER.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:05
S8	4	"01103653"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 09:21
S9	10	"1103653"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 09:22

## EAST Search History

S10	42	("6142607" "5635337" "1005917" "0985534" "1046917" "0516565" "0923957" "1005916" "0006388" "9515822").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 09:32
S11	66	"347"/\$3 and membrane same (high near2 densit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:05
S12	24	"347"/\$3 and membrane same (high near2 densit\$3) same (nozzle\$1 or ejector\$1 or orifice\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:22
S13	3704	"347"/\$3 and (densit\$3) with (nozzle\$1 or ejector\$1 or orifice\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:23
S14	230	"347"/\$3 and (densit\$3) with (nozzle\$1 or ejector\$1 or orifice\$1) and micrometer\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:23
S15	13	"347"/\$3 and (densit\$3) with (nozzle\$1 or ejector\$1 or orifice\$1) same micrometer\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:27
S16	1797	"347"/\$3 and high\$2 with nozzle\$1 with density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:30
S17	1797	"347"/\$3 and high\$2 with nozzle\$1 with density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 10:38

## EAST Search History

S18	1407	"347"/\$3 and high\$2 with nozzle\$1 with density and (pzt or piezo\$electric or piezo or transducer or nebuliz\$3 or nebulis\$3 or spray\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:15
S19	63	"347"/\$3 and high\$2 with nozzle\$1 with density and (pzt or piezo\$electric or piezo or transducer or nebuliz\$3 or nebulis\$3 or spray\$3) and "48,828"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 12:26
S20	37	"347"/\$3 and high\$2 with nozzle\$1 with density same cavit\$3 and (pzt or piezo\$electric or piezo or transducer or nebuliz\$3 or nebulis\$3 or spray\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:16
S21	469	"347"/\$3 and ink with viscosity with (mPas or cps or centipoise)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:29
S22	5	"347"/\$3 and ink with viscosity with (mPas or cps or centipoise) and (porous with medium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:30
S23	6	"347"/\$3 and (porous with medium with (cavity or chamber or space)) and (vibrat\$3 with attach\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:37
S24	23	"347"/\$3 and (porous with medium with (cavity or chamber or space))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:37
S25	11	"347"/\$3 and (porous with medium with (cavity or chamber or space)) and (piezo\$electric or PZT or transducer or piezo)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:40

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S26	275	"347"/\$3 and (porous with (cavity or chamber or space)) and (piezo\$electric or PZT or transducer or piezo)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:41
S27	241	"347"/\$3 and (porous with (liquid or ink) with (cavity or chamber or space)) and (piezo\$electric or PZT or transducer or piezo)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:50
S28	3	"347"/\$3 and vibrat\$3 with (removabl\$1 with attach\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:51
S29	5	"347"/\$3 and sub\$space with separat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:52
S30	1	"347"/\$3 and sub\$space with separat\$3 with (film or membrane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:53
S31	691	"347"/\$3 and (ink or liquid) with separat\$3 with (film or membrane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:56
S32	6	"347"/\$3 and (ink or liquid) with types with separat\$3 with (film or membrane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 12:55
S33	325	"347"/\$3 and (ink or liquid) with separat\$3 with (film or membrane\$1) and (PZT or piezo\$electric or piezo or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 13:02

## EAST Search History

S34	26	S5 and (ink or liquid) with separat\$3 with (film or membrane\$1) and (PZT or piezo\$electric or piezo or transducer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 13:08
S35	0	S5 and (ink or liquid) with separat\$3 with (film or membrane\$1) same ((print\$3 or eject\$3) with (together))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 13:08
S36	0	S5 and (ink\$1 or liquid\$1) with separat\$3 with (film or membrane\$1) same ((print\$3 or eject\$3) with (together))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 13:08
S37	6	"347"/\$3 and (ink\$1 or liquid\$1) with separat\$3 with (film or membrane\$1) same ((print\$3 or eject\$3) with (together))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 13:09
S38	7	"347"/\$3 and (ink\$1 or liquid\$1) with (separat\$3 or apart or section\$3 or sectionalized) with (film or membrane\$1) same ((print\$3 or eject\$3) with (together))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 13:11
S39	1231	"347"/\$3 and (ink\$1 or liquid\$1) with (separat\$3 or apart or section\$3 or sectionalized) with (film or membrane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/27 13:11